

# Gary W Black

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

432  
citations

759233

12  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

677  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unveiling the Biocatalytic Aromatizing Activity of Monoamine Oxidases MAO-N and 6-HDNO: Development of Chemoenzymatic Cascades for the Synthesis of Pyrroles. <i>ACS Catalysis</i> , 2017, 7, 1295-1300.	11.2	64
2	The effect of Maillard reaction products and yeast strain on the synthesis of key higher alcohols and esters in beer fermentations. <i>Food Chemistry</i> , 2017, 232, 595-601.	8.2	61
3	Reclassification of <i>Pseudomonas fluorescens</i> subsp. <i>cellulosa</i> <sup>TM</sup> NCIMB 10462 (Ueda et al. 1952) as <i>Cellvibrio japonicus</i> sp. nov. and revival of <i>Cellvibrio vulgaris</i> sp. nov., nom. rev. and <i>Cellvibrio fulvus</i> sp. nov., nom. rev.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 393-400.	1.7	42
4	A high-throughput screening method for determining the substrate scope of nitrilases. <i>Chemical Communications</i> , 2015, 51, 2660-2662.	4.1	31
5	Understanding Miro GTPases: Implications in the Treatment of Neurodegenerative Disorders. <i>Molecular Neurobiology</i> , 2018, 55, 7352-7365.	4.0	31
6	Monoamine Oxidase (MAO-N) Whole Cell Biocatalyzed Aromatization of 1,2,5,6-Tetrahydropyridines into Pyridines. <i>ACS Catalysis</i> , 2018, 8, 8781-8787.	11.2	26
7	Monoamine Oxidase (MAO-N) Biocatalyzed Synthesis of Indoles from Indolines Prepared via Photocatalytic Cyclization/Arylative Dearomatization. <i>ACS Catalysis</i> , 2020, 10, 6414-6421.	11.2	25
8	Conformational Dynamics, Ligand Binding and Effects of Mutations in NirE an S-Adenosyl-L-Methionine Dependent Methyltransferase. <i>Scientific Reports</i> , 2016, 6, 20107.	3.3	21
9	The <i>Streptococcus equi</i> prophage-encoded protein SEQ2045 is a hyaluronan-specific hyaluronate lyase that is produced during equine infection. <i>Microbiology (United Kingdom)</i> , 2009, 155, 443-449.	1.8	20
10	Structural Insights from Molecular Dynamics Simulations of Tryptophan 7-Halogenase and Tryptophan 5-Halogenase. <i>ACS Omega</i> , 2018, 3, 4847-4859.	3.5	20
11	Cytochromes P450 (P450s): A review of the class system with a focus on prokaryotic P450s. <i>Advances in Protein Chemistry and Structural Biology</i> , 2020, 122, 289-320.	2.3	19
12	Conformational Effects on the Circular Dichroism of Human Carbonic Anhydrase II: A Multilevel Computational Study. <i>PLoS ONE</i> , 2013, 8, e56874.	2.5	17
13	How does conformational flexibility influence key structural features involved in activation of anaplastic lymphoma kinase?. <i>Molecular BioSystems</i> , 2014, 10, 1490-1495.	2.9	9
14	Characterisation of SEQ0694 (PrsA/PrtM) of <i>Streptococcus equi</i> as a functional peptidyl-prolyl isomerase affecting multiple secreted protein substrates. <i>Molecular BioSystems</i> , 2015, 11, 3279-3286.	2.9	8
15	Fluorogenic kinetic assay for high-throughput discovery of stereoselective ketoreductases relevant to pharmaceutical synthesis. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 1320-1326.	3.0	8
16	Conformational flexibility influences structure–function relationships in tyrosyl protein sulfotransferase-2. <i>RSC Advances</i> , 2016, 6, 11344-11352.	3.6	6
17	Antidiabetic <i>α</i> -glucosidase affect biofilm formation by <i>Streptococcus mutans</i> . <i>Microbiological Research</i> , 2018, 209, 79-85.	5.3	6
18	Computer-Informed Engineering: A New Class I Sesquiterpene Synthase JeSTS4 for the Synthesis of an Unusual C10-( <i>S</i> )-Bicyclogermacrene. <i>ACS Catalysis</i> , 2022, 12, 4037-4045.	11.2	6

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19	Single-Site Mutation Induces Water-Mediated Promiscuity in Lignin Breaking Cytochrome P450 <sub>GcoA</sub> . ACS Omega, 2022, 7, 21109-21118.	3.5	5
20	Dimerization and ligand binding in tyrosylprotein sulfotransferase-2 are influenced by molecular motions. RSC Advances, 2016, 6, 18542-18548.	3.6	3
21	A facile and regioselective multicomponent synthesis of chiral aryl-1,2-mercaptoamines in water followed by monoamine oxidase (MAO-N) enzymatic resolution. Organic and Biomolecular Chemistry, 2019, 17, 8982-8986.	2.8	3
22	Proteomics and bioinformatics analyses identify novel cellular roles outside mitochondrial function for human miro GTPases. Molecular and Cellular Biochemistry, 2019, 451, 21-35.	3.1	1